



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTLOWT4022ACW120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Wed Aug 22 08:44:42 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDLOWT4022ACW120-277[_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[MANUFAC] Beghelli

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13466
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS830LEDHTLOWT4022ACW120-277V_P.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7695	6467	7695
55	3896	3176	3896
65	2253	1778	2253
75	2130	1620	2130
85	1404	1021	1404

CANDELA TABULATION

	<u>0</u>
0	6226.130
5	6134.217
10	5987.537
15	5758.931
20	5410.490
25	4976.471
30	4517.243
35	4093.832
40	3726.777
45	3285.643
50	2508.820
55	1614.396
60	948.116
65	876.674
70	863.898
75	749.893
80	589.638
85	427.300
90	288.935
95	178.391
100	101.850
105	55.600
110	31.256
115	19.144
120	12.978
125	9.400
130	7.115
135	5.645
140	4.662
145	4.040
150	3.730
155	3.553
160	4.166
165	4.712
170	4.637
175	4.292
180	9.265

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS830LEDHTLOWT4022ACW120-277V_P.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2198.71	N.A.	16.30
0-30	4489.55	N.A.	33.30
0-40	7062.4	N.A.	52.40
0-60	11020.5	N.A.	81.80
0-80	12685.08	N.A.	94.20
0-90	13157.51	N.A.	97.70
10-90	12576.11	N.A.	93.40
20-40	4863.69	N.A.	36.10
20-50	7332.95	N.A.	54.50
40-70	4842.44	N.A.	36.00
60-80	1664.57	N.A.	12.40
70-80	780.24	N.A.	5.80
80-90	472.44	N.A.	3.50
90-110	268.94	N.A.	2.00
90-120	289.51	N.A.	2.10
90-130	298.27	N.A.	2.20
90-150	305.35	N.A.	2.30
90-180	308.85	N.A.	2.30
110-180	39.92	N.A.	0.30
0-180	13466.37	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	581.40
10-20	1617.31
20-30	2290.84
30-40	2572.85
40-50	2469.26
50-60	1488.84
60-70	884.33
70-80	780.24
80-90	472.44
90-100	204.11
100-110	64.83
110-120	20.57
120-130	8.76
130-140	4.49
140-150	2.60
150-160	1.73
160-170	1.29
170-180	0.48

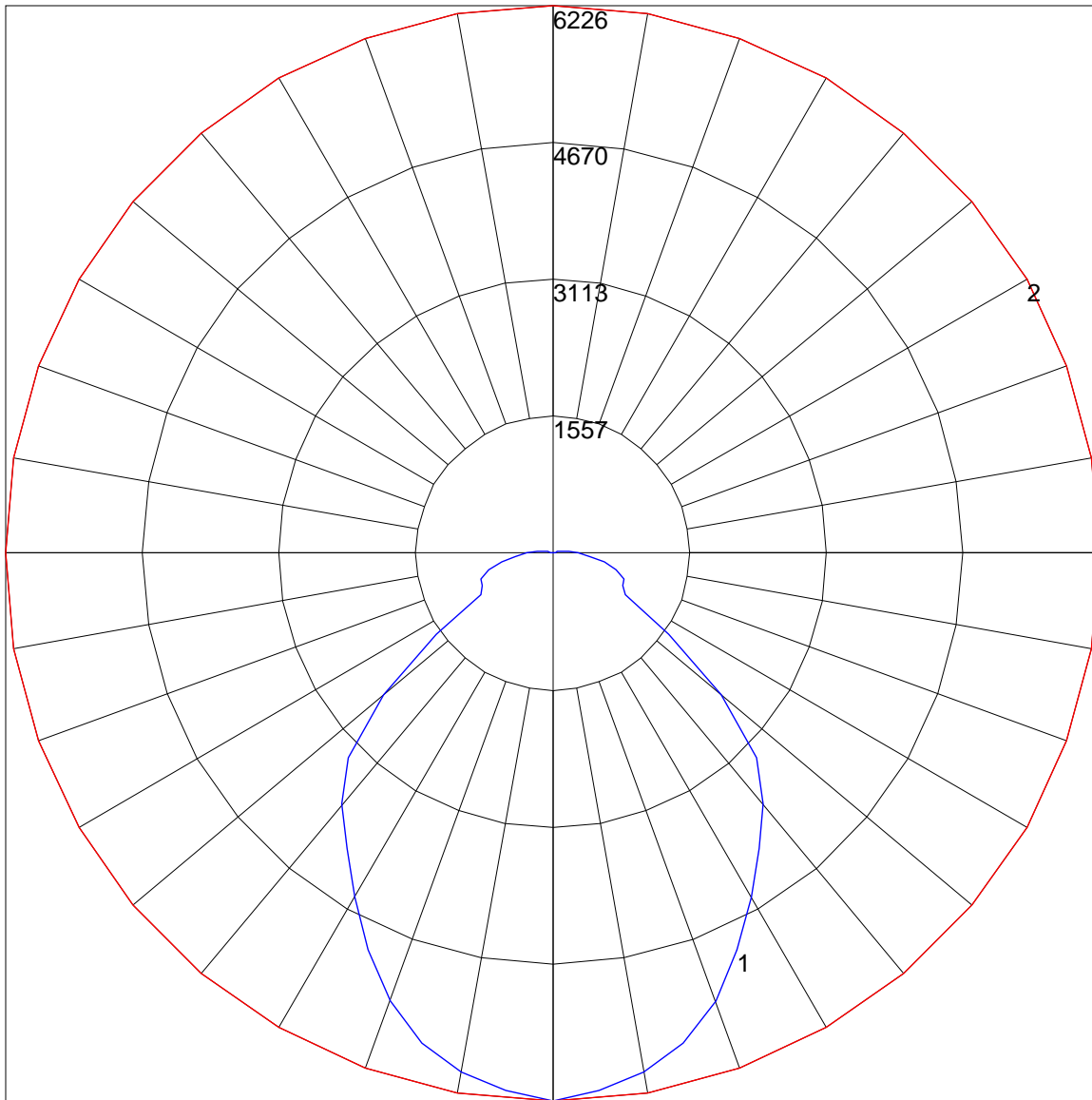
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BS830LEDHTLOWT4022ACW120-277V_P.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	109	104	100	96	106	101	98	94	97	94	91	92	90	88	89	87	85	82
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	71	67	63	61
4	85	74	65	59	82	72	64	59	69	63	58	67	61	57	64	60	56	53
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	51	46	57	50	45	55	49	45	54	48	44	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	49	44	40	38
8	63	51	43	37	62	50	42	37	48	41	37	47	41	36	46	40	36	34
9	59	47	39	34	58	46	39	34	45	38	33	44	37	33	42	37	33	31
10	56	43	36	31	55	43	36	31	42	35	30	41	34	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 6226.13 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)